

Field Conductivity and pH

Ref 27-
001

ANIMAS RIVER 2009 - 2011 DATA SUMMARY - Field Measurements

Location Name	Station ID	May 2009 Flow cfs	June 2009 Flow cfs	July 2009 Flow cfs	Aug 2009 Flow cfs	Sept 2009 Flow cfs	Nov 2009 Flow cfs	Feb 2010 Flow cfs	June 2010 Flow cfs	July 2010 Flow cfs
Background	CC01F									
Mogul Mine Adit	CC02D	0.259	0.108	0.178	0.109	0.109	0.123	0.154	18	0.389
Red and Bonita Adit	CC03C									0.095
American Tunnel	CC19	0.318	0.309	0.231	0.212	0.221	0.278	0.11	24	0.24
7-Level Adit	CC06	0.423	0.498	0.436	0.358	0.562			558	0.485

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Field Conductivity and pH

Ref 27
001

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Location Name	Station ID	May 2009 Flow cfs	June 2009 Flow cfs	July 2009 Flow cfs	Aug 2009 Flow cfs	Sept 2009 Flow cfs	Nov 2009 Flow cfs	Feb 2010 Flow cfs	March 2010 Flow cfs	April 2010 Flow cfs	June 2010 Flow cfs	July 2010 Flow cfs
Background	CC01F										4.61	0.389
Mogul Mine Adit	CC02D	0.259	0.108	0.178	0.109	0.109	0.123	0.154			0.138	0.095
Red and Bonita Adit	CC03C											
American Tunnel	CC19	0.318	0.309	0.231	0.212	0.221	0.278	0.178	0.204	0.204	0.24	0.24
7-Level Adit	CC06	0.423	0.498	0.436	0.358	0.562				0.333	0.558	0.485

Field Conductivity and pH

Ref. 27
002

Sept 2010 Flow cfs	Nov 2010 Flow cfs	March 2011 Flow cfs	June 2011 Flow cfs	July 2011 Flow cfs	Aug 2011 Flow cfs	Sept 2011 Flow cfs	Oct 2011 Flow cfs	May 2009 Temp °C	June 2009 Temp °C	July 2009 Temp °C	Aug 2009 Temp °C	Sept 2009 Temp °C
0.075				3.6	0.384			12.70	14.20	6.19		
0.109	0.102		0.212	0.088	0.13			5.19	4.92	5.31	5.23	4.95
0.268	0.24	0.212	0.24	0.212	0.221			7.56	7.66	7.71	7.70	7.69
0.449	0.473		0.328	0.298	0.308			8.76	8.24	8.20	8.11	8.04

Field Conductivity and pH

Ref. 27
003

Nov 2009 Temp °C	Feb 2010 Temp °C	March 2010 Temp °C	April 2010 Temp °C	June 2010 Temp °C	July 2010 Temp °C	Sept 2010 Temp °C	Nov 2010 Temp °C	March 2011 Temp °C	June 2011 Temp °C	July 2011 Temp °C	Aug 2011 Temp °C	Sept 2011 Temp °C
4.86	4.76	5.13	5.08	0.31	12.45	12.3	1.1			10.51	13.58	
7.65	7.63	7.62	7.61	7.52	5.33	5.3	5.1	4.99	5.42	5.3	6.05	6.15
		7.96	7.98	8.5		6.2	5.9					
					7.78	7.8	7.7	7.63	7.48	7.65	7.68	
					8.19	8	8		8.56	8.42	8.13	

Ref. 27
004

Field Conductivity and pH

Oct 2011 Temp °C	May 2009 Cond µS/cm	June 2009 Cond µS/cm	July 2009 Cond µS/cm	Aug 2009 Cond µS/cm	Sept 2009 Cond µS/cm	Nov 2009 Cond µS/cm	Feb 2010 Cond µS/cm	March 2010 Cond µS/cm	April 2010 Cond µS/cm	June 2010 Cond µS/cm	July 2010 Cond µS/cm	Sept 2010 Cond µS/cm
1274	1254	257	365	327	1347	1365	1345	1327	1322	129	282	332
2338	2426	2445	2425	2409	2511	1957	2428	2450	1430	785	1315	1357
3076	2481	2476	2381	2175			1953	1955	3084	2201	2352	2451
										2443	2250	

Field Conductivity and pH

Ref 27
005

Nov 2010 Cond µS/cm	March 2011 Cond µS/cm	June 2011 Cond µS/cm	July 2011 Cond µS/cm	Aug 2011 Cond µS/cm	Sept 2011 Cond µS/cm	Oct 2011 Cond µS/cm	May 2009 pH su	June 2009 pH su	July 2009 pH su	Aug 2009 pH su	Sept 2009 pH su	Nov 2009 pH su
276			221	362					7.49	7.02	7.24	
1364		1172	1255	1338			3.11	3.63	3.52	3.50	3.72	3.50
1578			2069	2083								
2386	2395	2308	2389	2409			4.91	5.17	5.11	5.04	5.16	5.14
2064		3060	2835	2546			2.25	3.15	3.19	3.31	3.86	

Field Conductivity and pH

Ref. 27
006

Feb 2010	March 2010	April 2010	June 2010	July 2010	Sept 2010	Nov 2010	March 2011	June 2011	July 2011	Aug 2011	Sept 2011	Oct 2011
pH su	pH su	pH su	pH su	pH su	pH su	pH su	pH su	pH su	pH su	pH su	pH su	pH su
3.54	3.36	3.38	5.72	6.59	7.13	6.24			6.48	6.89		
			3.58	3.48	3.48	3.38		3.58	3.48	3.39		
5.19	4.46	5.38	5.29	5.26	4.47	5.17	5.18	4.86	5.04	4.95		
	4.96	5.13	2.82	3.03	3.52	4.13		2.55	2.79	2.84		

Field Conductivity and pH

Ref. 27
007

May 2009 DO mg/l	June 2009 DO mg/l	July 2009 DO mg/l	Aug 2009 DO mg/l	Sept 2009 DO mg/l	Nov 2009 DO mg/l	Feb 2010 DO mg/l	March 2010 DO mg/l	April 2010 DO mg/l	June 2010 DO mg/l	July 2010 DO mg/l	Sept 2010 DO mg/l	Nov 2010 DO mg/l
4.9	5.0	7.0 5.1	6.4 5.1	8.0 5.6	5.7	5.6	6	6.2	9.1 7.2	6.8 5.7	6.8 5.5	6.9
4.6	5.7	5.7	5.1	5.4	4.9	4.4	3.4	2.1	2.9	2.6	2.7	
6.0	5.6	5.5	3.9 **	5.6			3.7	3.3	5.1	4.3	4	

Field Conductivity and pH

Ref. 27
008

March 2011 DO mg/l	June 2011 DO mg/l	July 2011 DO mg/l	Aug 2011 DO mg/l	Sept 2011 DO mg/l	Oct 2011 DO mg/l
		7.3	6.9		
		5.6	5.8		
		7	7		
4.2	5.3	5.3	5.4		
5.3		4.5	3.9		